

December, 1985

# PAARA

## GRAPHS

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### Featuring:

An announcement of the release of  
the 145.230 MHz repeater autodial  
codes, a relevant article dealing  
with the causes and cures of VCR  
TVI, Red Cross, and much more!



**THE OFFICIAL NEWSLETTER  
OF THE PALO ALTO AMATEUR  
RADIO ASSOCIATION**

**AND**

**THE MENLO PARK C.D. AMATEUR RADIO CLUB**

PAARAgraphs is the official newsletter of  
the Palo Alto Amateur Radio Association &  
the Menlo Park Civil Defense Radio Club

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**Club Net 147.45 MHz, Monday at 8:30 p.m. local time**

### PAARA Policies

Membership in PAARA is 6 dollars per calendar year (payable in January) which includes a subscription to PAARAgraphs. Make payment to PAARA,

Speaker for Dec 6th meeting will be

**Ken Manders**

**WB6CN1**

who will speak on

**Antenna Design**

### Misc Info

VEC info can be obtained by calling (408) 984-8353. The closest exam coming up soon is in Cupertino, on Dec 7th. It will be held at Tandom, walk-ins only, \$4.00 fee; call for more info.

Code Practice - W6QIE can be heard nightly starting at 8PM, every day except monday, on 3.590 MHz. They start at 5WPM, and progress over the hour to 35 WPM!



145.230 M

10 AutoDial Codes

The 145.230 Repeater now has 10 AutoDial codes for AAA, Local Police, etc. These are available to licensed hams. To get yours, you need to send

- 1) A copy of your license.
- 2) a S.A.S.E (self addressed stamped envelope)

To: Rich Stiebel  
840 Talisman Dr.  
Palo Alto, Ca.

Hwy 101

Bay Road

Woodside Road

Ampex Cafeteria

8:00 PM - DEC. 3, 1985

The Pacific Packet Radio Society meets on the first Tuesday of every month. The next monthly meeting of the PPRS will be Tuesday Dec 3rd at the Ampex Cafeteria in Redwood City. This meeting will be our annual hardware review. We hope to have every type of packet board up and running at the meeting. Please plan to attend.

## Reducing VCR TVI

Many of us are concerned about TVI. A particularly troublesome form of TVI is that which finds its way into home VCR's. After three early withdrawals from contests, I resolved to do something about my VCR interference, and hopefully find a solution that would keep both my kids and neighbors happy.

After five or six false starts, I discovered that most of the RFI was getting into my VCR from the shield on the 75 ohm coax. Most newer homes are wired for cable (as was mine), and the three or four hundred feet of shielding makes a wonderful antenna.

To test for this kind of interference, simply remove the antenna connection from the VCR and (with a tape playing) gradually put more power into your antenna system. In my case, if the cable distribution from my house was connected to the VCR, I had no interference while watching normal TV, but found that the picture was destroyed during record and playback. In my neighbor's case, I destroyed regular TV as well as VCR recording and playback with any power level above 100 watts. I also discovered that if I disconnected the cable system, I could run any power level and watch VCR tapes.

I first tried to get the RFI off the shield by using all of the published methods, i.e., ferrite, hi-pass filters, grounding, etc, etc. Nothing worked, until one day I figured that in a balanced system, both leads could be filtered. To accomplish this, I used two Radio Shack coax to 300 ohm baluns, and a six dollar balanced TVI filter.

(continued on next page)

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To use the set-up, simply hook the balun to filter to balun and place it into the line in front of the VCR (see diagram which follows). The results are very gratifying. I can run full legal power and See Page 10 simultaneously playback or record tapes on the VCR, in addition to watching regular TV. Somewhat more gratifying is the fact that my neighbor with the VCR hasn't had any interference after installing the same configuration.

TVI can take a lot of fun out of our hobby and cause a lot of bad publicity. I hope this simple, inexpensive remedy helps some of you put the fun back in contest weekends.

73,  
Chuck,

W7MAP

(Editors note - this article is reprinted from the Nov 1985 "The Contest Jug", No 161. My thanks to Fred for submitting this article for reprint here)..

Tucson Amateur Packet Radio has announced that its new TNC 2 will be available beginning August 19. No orders are being taken before the 19th. Orders will be taken by telephone between 9 AM and 9 PM PDT, August 19 through 23, and during regular business hours thereafter. There are 280 TNC 2s on hand at TAPR, and these will be shipped immediately. Another 300 TNCs should be ready to ship sometime in mid-September. When you call to order a TNC, you will be told whether yours is to be part of the first batch or the second batch. The price of the TNC 2, including shipping, handling and credit-card charges will be \$200.85. The TAPR phone number is 602-746-1166. Congratulations to the TNC-2 volunteers for completing a significant packet-radio project.

From DRNET.

Taken from *Gateway*-- A.R.R.L.

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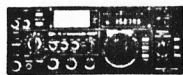


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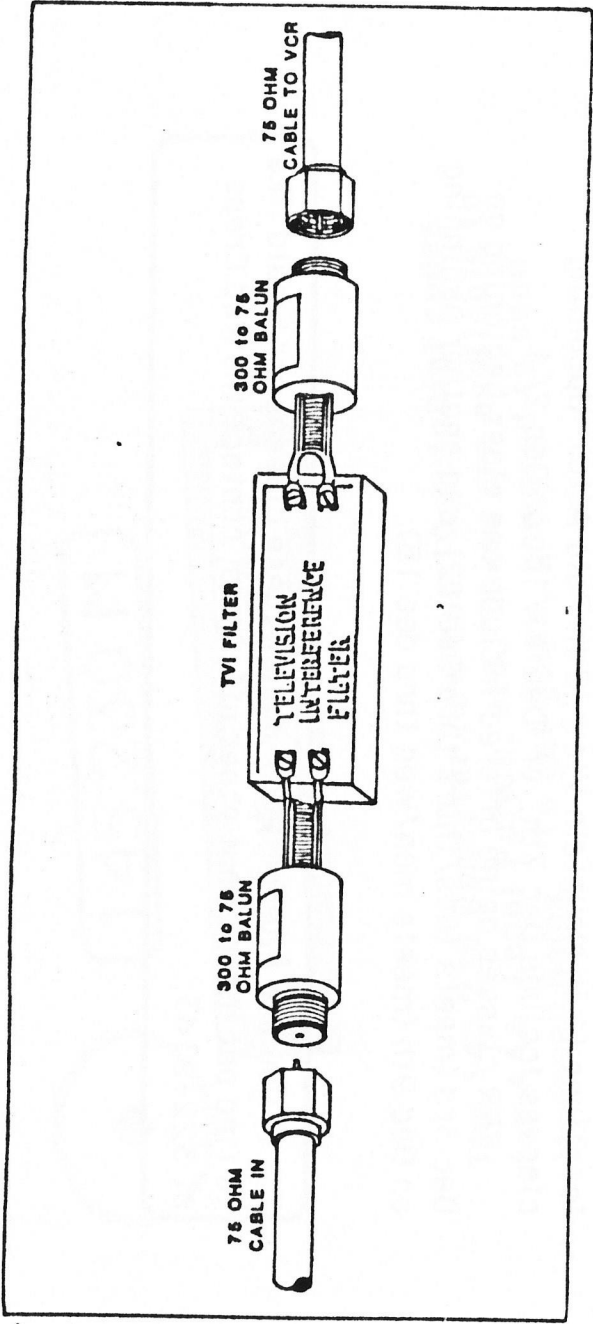


The Palo Alto **Red Cross** is located at 400 Mitchell Lane, just across from the Palo Alto train station. Their phone number is **322-2143**.

The Multimedia Standard First Aid class are given at 3 locations (1 in Mountain View, 2 in Palo Alto). Upcoming classes include Dec 7th, or Dec 11/13, or Dec 2/4

CPR classes being offered include one class beginning on Dec 3rd (meets tues/thurs thru Dec 12), and another beginning on Dec 9th (meets mon/wed thru dec 18).

If you are interested in any of these classes, or would like to find out more about other offerings, contact the Red Cross at 322-2143.



VCR TVI Reduction Set-Up



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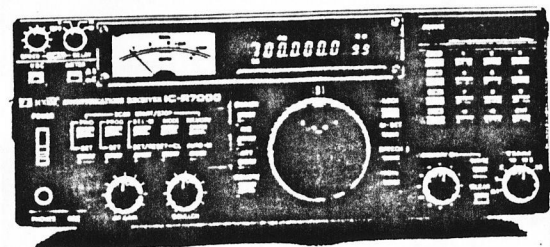
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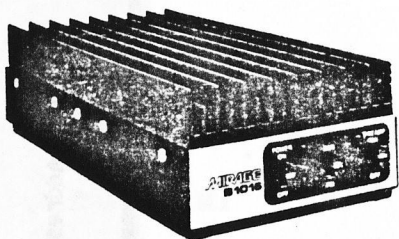
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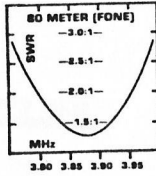
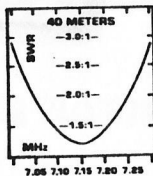
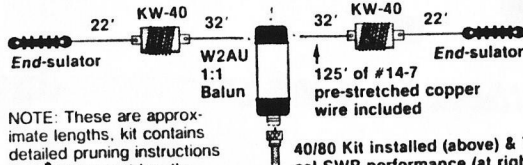
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